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**School of Agriculture**  
**Bachelor of Science Honours in Agriculture**  
**Mid Term Examination - May 2024**

**Duration : 90 Minutes**  
**Max Marks : 50**

**Sem IV - A1UA410T - Problematic Soils and their Management**

General Instructions

*Answer to the specific question asked*

*Draw neat, labelled diagrams wherever necessary*

*Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Classify land capability subclasses. K2 (2)
- 2) Define soil acidity. K1 (3)
- 3) Explain soil quality in detail. K2 (4)
- 4) Illustrate the sub soil hard pan occurrence, causes and management. K2 (8)
- 5) How would you identify acid soil on the basis of soil properties? K3 (6)
- 6) How would you make use of chemical ameliorant for the management of alkali soils? K3 (9)
- 7) Classify salt affected soils based on various parameters. K4 (8)
  
- 8) What parameters are considered important to analyze the quality of irrigation water? K4 (12)

**OR**

What conclusions can be drawn regarding the effect of erosion on soil fertility? K4 (12)